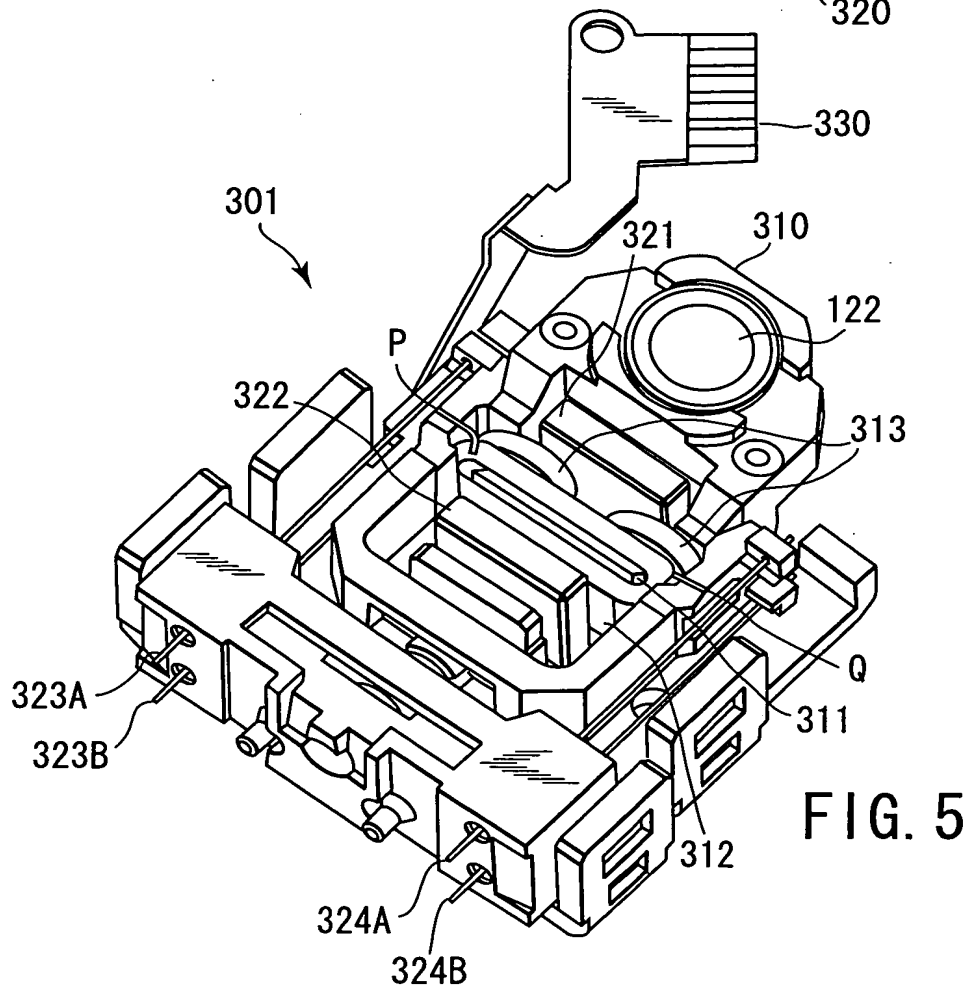
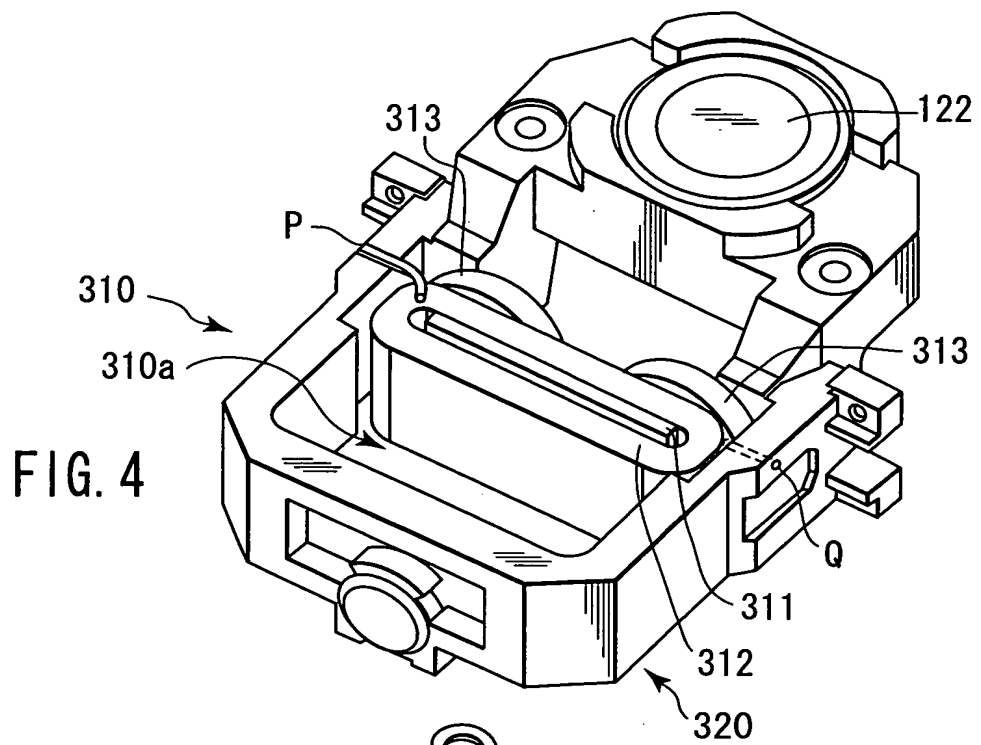
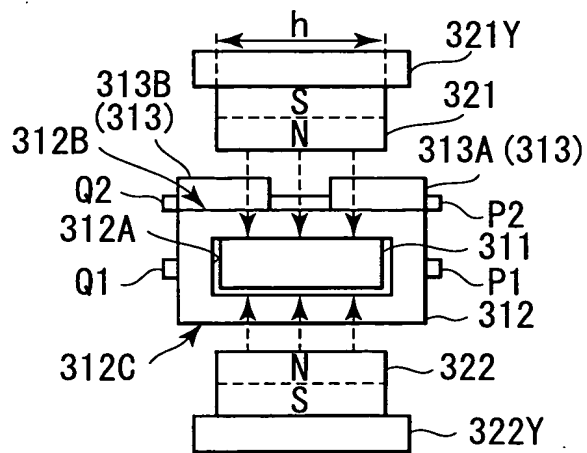
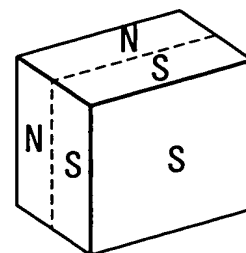


FIG. 3





A schematic cross-sectional view of a magnetic head assembly. At the top is a pole piece 321Y with a width indicated as h . Below it is a central core 321 with a dashed line indicating its center, labeled with 'S' at the top and 'N' at the bottom. Below the core is a layer 313A(313). Further down is another layer 312B. In the center, there is a gap containing a coil 311. This coil is flanked by two more layers, 312A above and 312C below. On the left side, terminals or contacts are labeled Q1, Q2, and 312B. On the right side, they are labeled P1, P2, and 311. At the bottom, there is another pole piece 322Y, with a layer 322 above it, which has 'N' and 'S' poles indicated.



A 3D perspective drawing of a rectangular bar magnet. The top surface is labeled 'N' at the front-left corner and 'S' at the back-right corner. The front face is labeled 'S' in the center. The left vertical edge is labeled 'N' and is indicated by a dashed line, suggesting it is the back edge of the magnet.

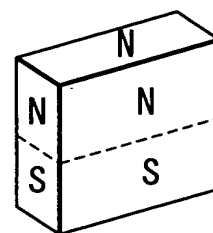
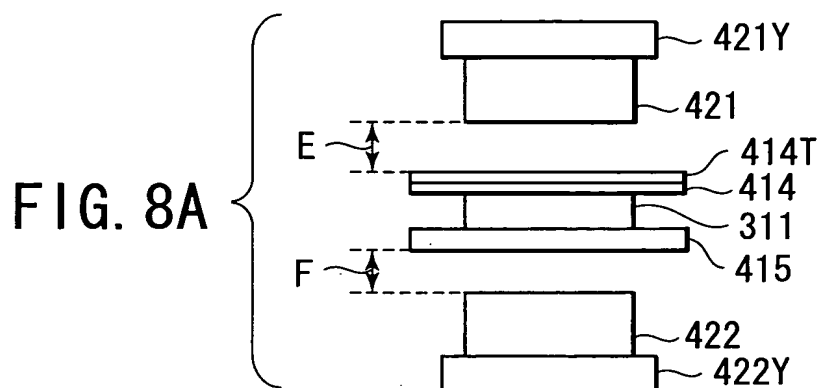


FIG. 8B

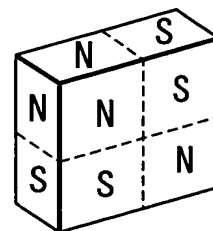
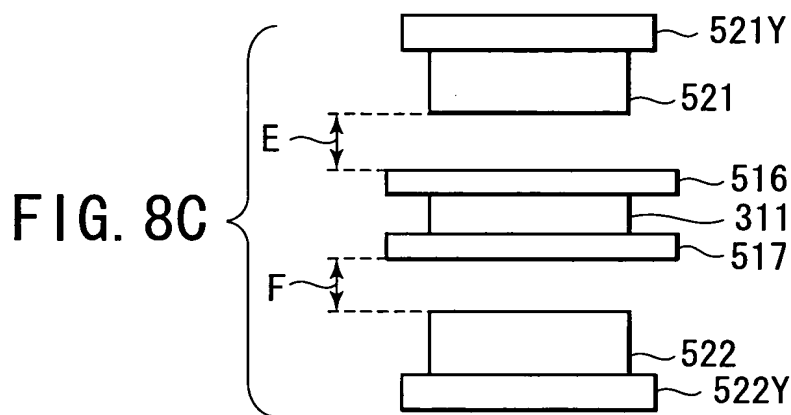


FIG. 8D

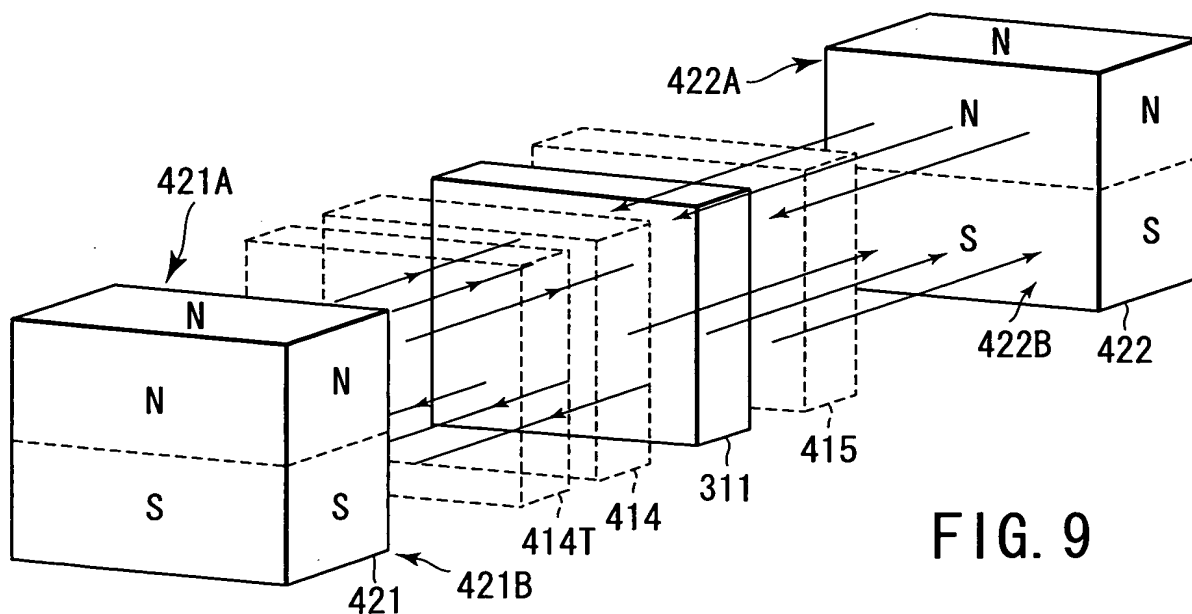
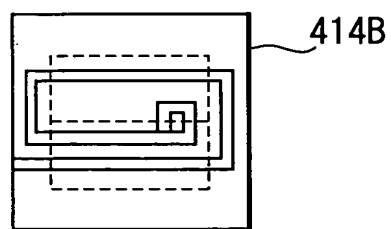
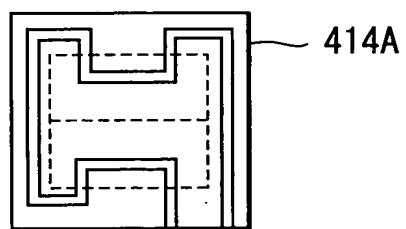
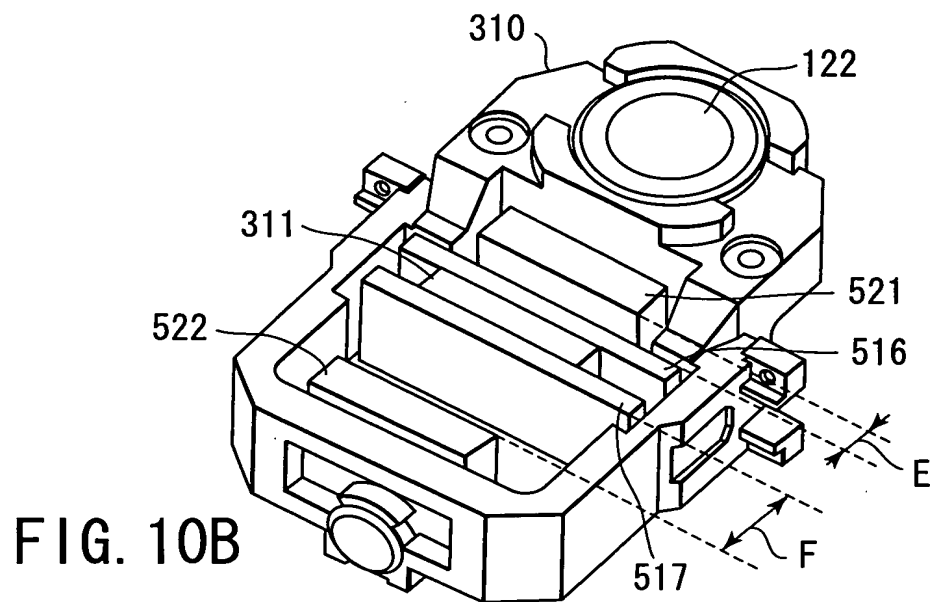
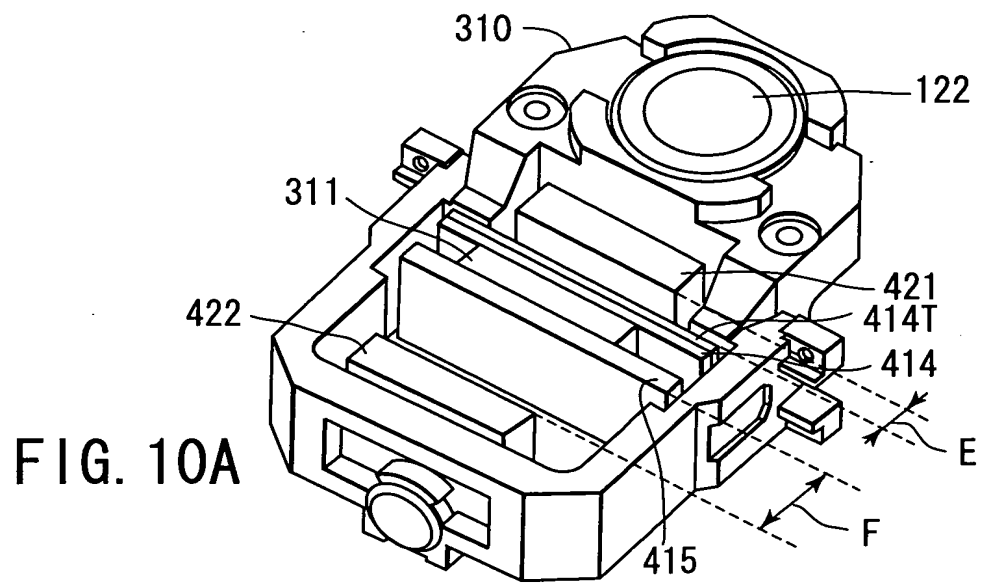
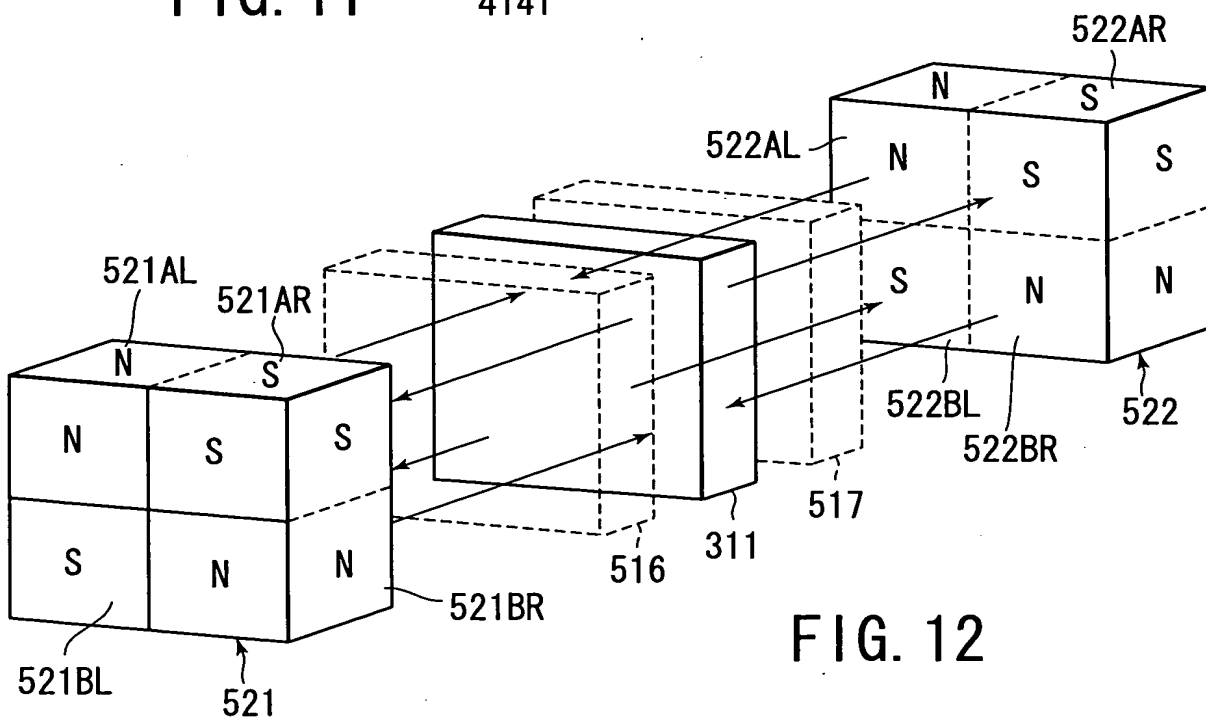
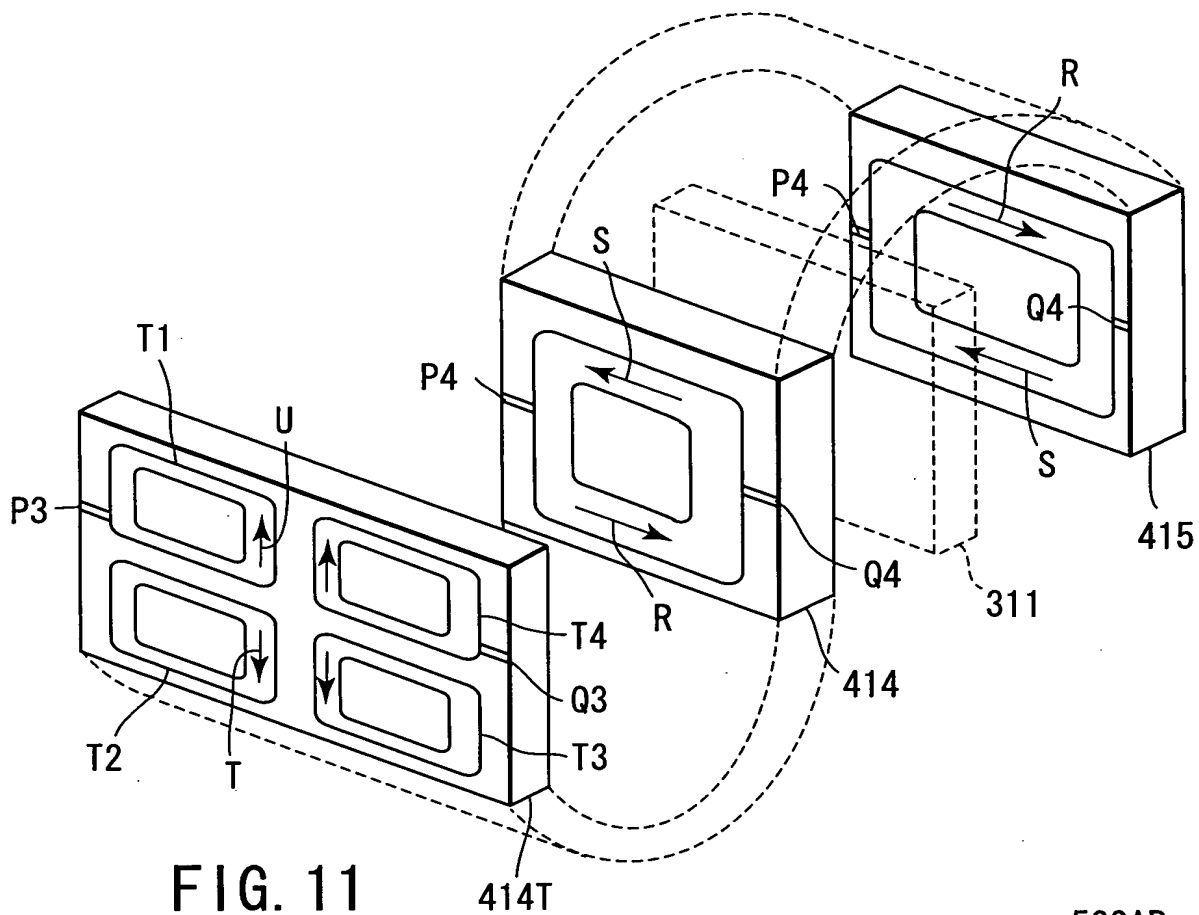
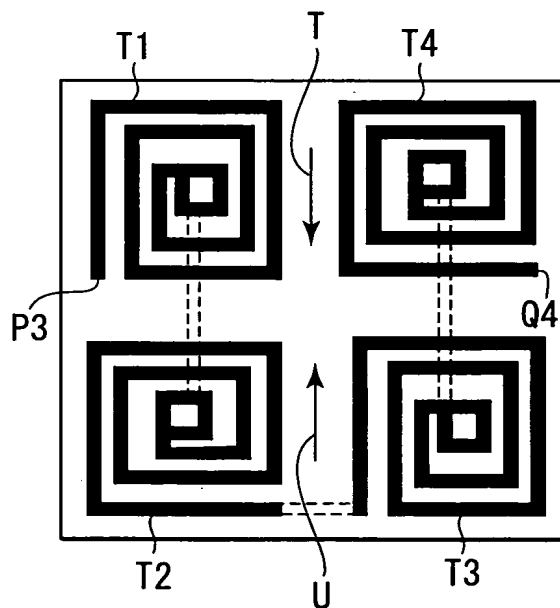
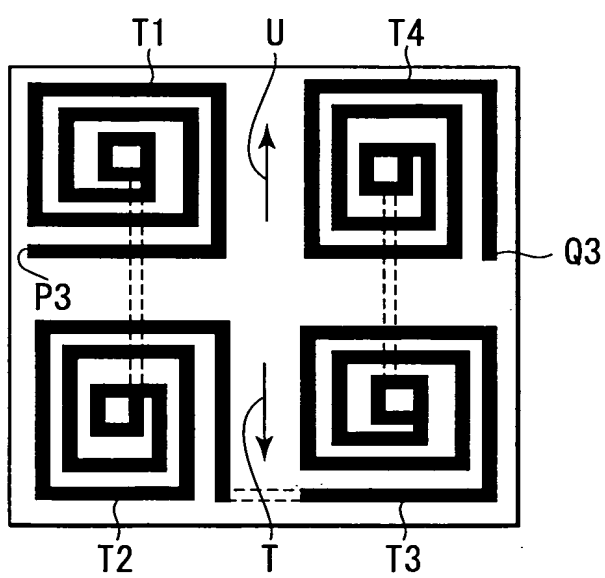
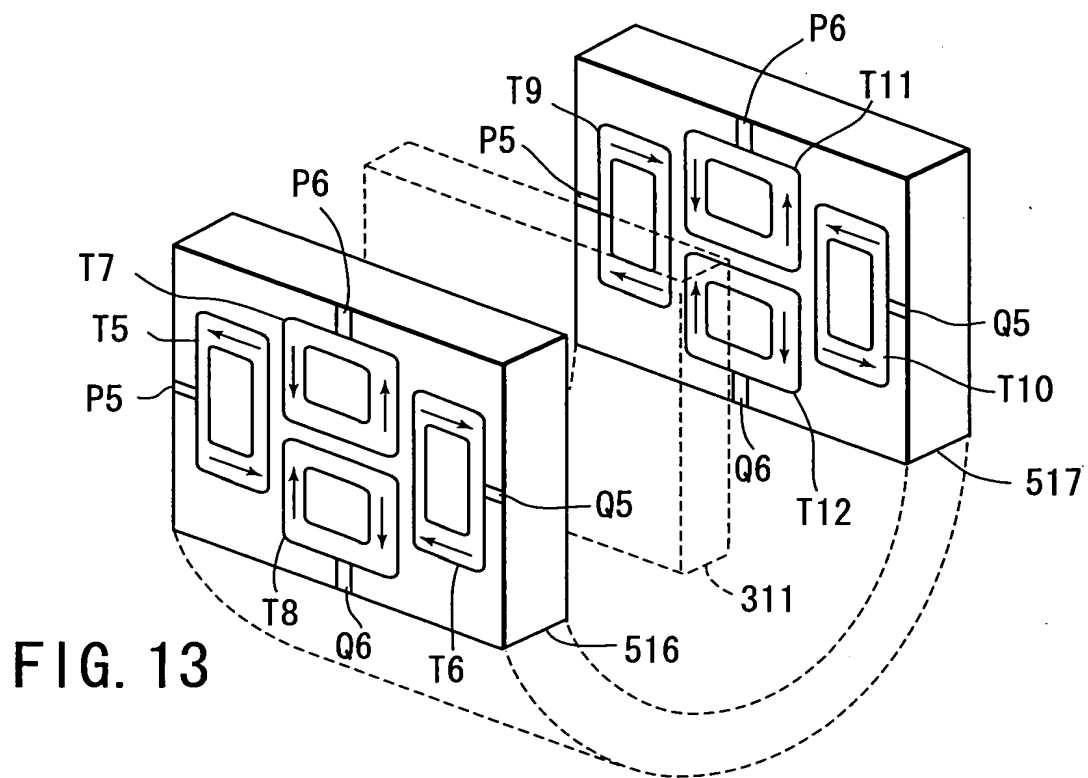


FIG. 9







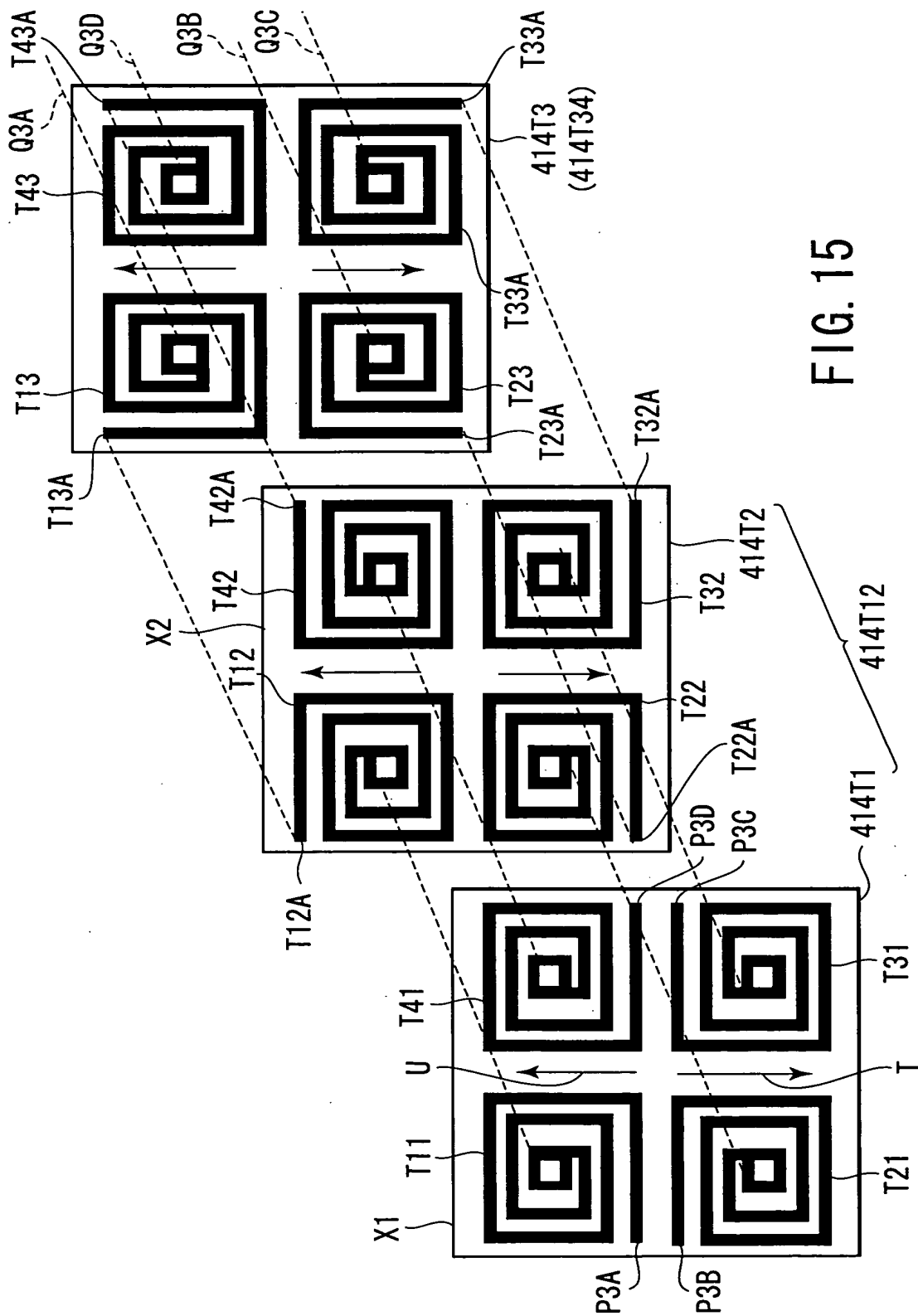


FIG. 15

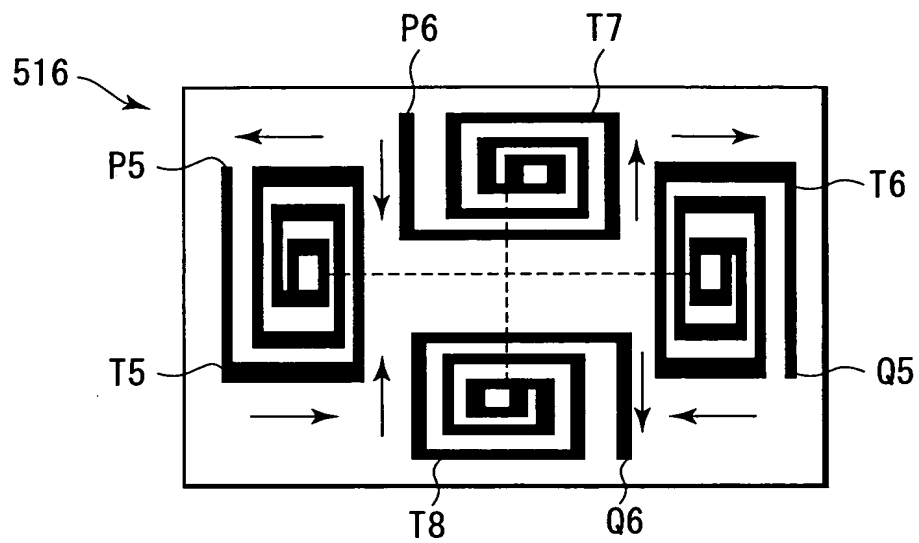


FIG. 16A

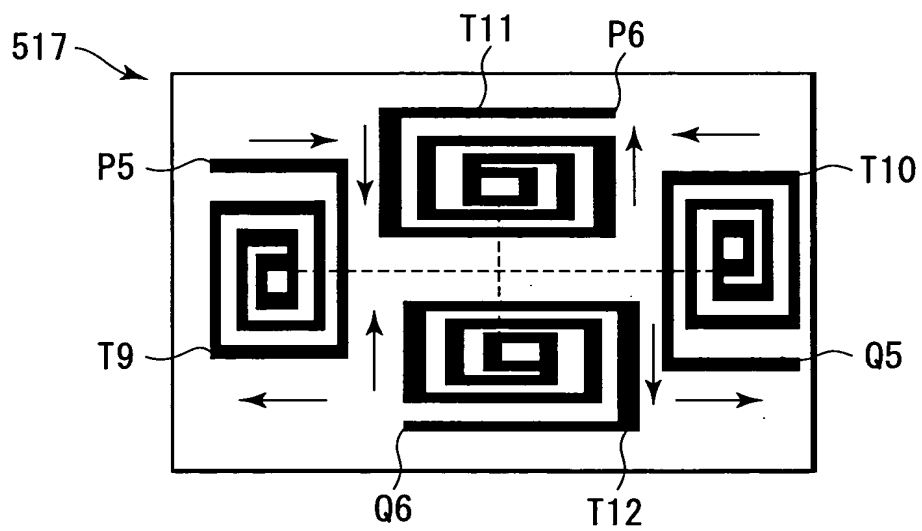


FIG. 16B